



## **N300 Wireless Easy-N-Upgrader** **TEW-637AP [V3.0R]**

The N300 Wireless Easy-N-Upgrader™ upgrades your old, perfectly functioning router, to high speed wireless n. Enjoy up to 12 times the speed and 6 times the coverage of a wireless g network.

Eliminate wireless dead spots, seamlessly surf the Internet and help the environment by not throwing away your old router. GREENwifi technology reduces energy consumption by up to 50%.

The compact 300Mbps Wireless Easy-N-Upgrader™ is designed around ease of use, performance and environmental friendliness. The latest in wireless encryption ensures wireless security. Advanced Multiple Input Multiple Output (MIMO) antenna technology eliminates wireless dead spots. Wireless Protected Setup (WPS) lets you integrate other WPS devices into your network quickly.



## **FEATURES**

- 1x 10/100Mbps Ethernet port
- 1x Wi-Fi Protected Setup (WPS) button
- 2x 2dBi fixed antennas
- Compliant with IEEE 802.11n, IEEE 802.11g, & 802.11b standards
- High-speed data rates of up to 300Mbps with IEEE 802.11n\*
- Compact high performance wireless n access point
- Up to 50% energy savings with GREENwifi technology
- A smaller and faster access point solution suitable for upgrading to wireless N
- Affordable wireless N device for easily migrating from wireless G and B networks
- Broadcast up to 4 SSIDs with different wireless encryption
- Supports Wireless Distribution System (WDS) to extend wireless network
- Wi-Fi Multimedia (WMM) Quality of Service (QoS) supported
- Improves the data transfer speed by working with existing wireless G and B Networks
- Wireless security support of up to WPA2-RADIUS
- Low Interference and high susceptibility guarantee reliable performance
- One-touch wireless security setup using the Wi-Fi Protected Setup (WPS) button
- Indoor coverage up to 100 meters (328ft.)\*
- Outdoor coverage up to 300 meters (984ft.)\*
- 3 Year warranty

\*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

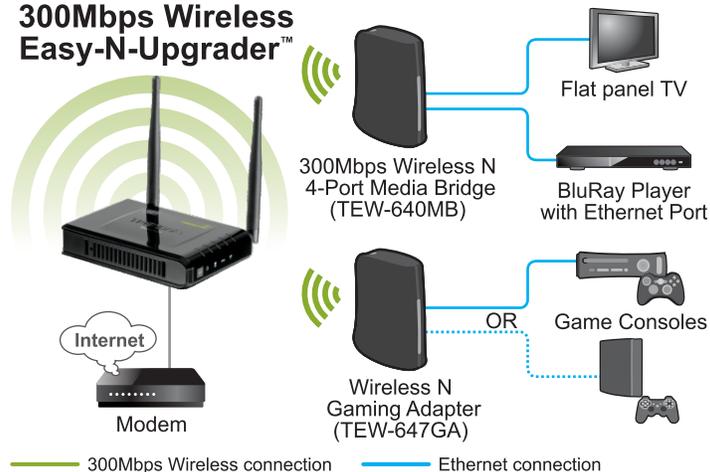
# N300 Wireless Easy-N-Upgrader TEW-637AP

## SPECIFICATIONS

Hardware	
Standards	• IEEE 802.11n, IEEE 802.11b, IEEE 802.11g, 802.3u and 802.3
Interface	• 1 x 10/100Mbps Auto-MDIX LAN port
CD Wizard OS Compatibility	• Windows 7 (32/64-bit), Vista(32/64-bit), XP(32/64-bit), and 2000
LED Indicators	• Power, Link, WPS and Wireless
Power Supply	• 12V DC 0.5A external power adapter
Dimensions (LxWxH)	• 120 x 26 x 88 mm (4.7 x 1.0 x 3.4 inches)
Weight	• 145 g (5.11oz)
Temperature	• Operating: 0° to 40° C (32° ~ 104° F), Storage: -20° ~ 60°C (-4°~140°F)
Humidity	• Max. 90% non-condensing
Wireless	
Module Technique	• OFDM with BPSK ,DQPSK , CCK , BPSK, QPSK, 16/64QAM with OFDM
WDS	• Enable/Disable Wireless Distribution System support
Antenna	• 2 x 2dBi external fixed dipole antennas
Access Control	• MAC Address Filter (Up to 64 entries)
Frequency	• 2.412 -2.484GHz
Data Rate (auto fallback)	• 802.11n: up to 300Mbps • 802.11g: up to 54Mbps • 802.11b: up to 11Mbps
Output Power	• 802.11b: 18dBm (typical) @ 11Mbps • 802.11g: 15dBm (typical) @ 54Mbps • 802.11n: 11dBm (typical)@ 300Mbps
Receiving Sensitivity	• 802.11b: -84dBm (typical) @ 11Mbps • 802.11g: -72dBm (typical) @ 54Mbps • 802.11n: -68dBm (typical) @ 300Mbps
Encryption	• 64/128-bit WEP (Hex & ASCII), WPA/WPA2 Radius, Radius, WPA/WPA2-PSK Encryption
Channels	• 1-11 (FCC) 1-13 (ETSI)

## NETWORKING SOLUTIONS

### 300Mbps Wireless Easy-N-Upgrader™



## PACKAGE CONTENTS

- TEW-637AP
- Multi-Language Quick Installation Guide
- CD-ROM (Utility and User's Guide)
- 1 x network cable (0.6 m/ 2 ft.)
- Power adapter (12V DC, 0.5A)

## RELATED PRODUCTS

TEW-640MB	300Mbps Wireless N 4-Port Media Bridge
TEW-639GR	300Mbps Wireless N Gigabit Router
TEW-647GA	Wireless N Gaming Adapter

## ORDERING INFORMATION

### TRENDnet®

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